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OM protein - protein search, using sw model

Run on: April 8, 2003, 14:23:21 ; Search time 16 Seconds  
 (without alignments)  
 1002.218 Million cell updates/sec

Title: US-09-001-737-8  
 Perfect score: 1  
 Sequence: 1 MAKEIKFSADARAAMYRGVD.....TPAPAMPAGMDPGMMGGMCG 545

Scoring table: BL0SUM62  
 Gapop 10.0 , gapext 0.5

Searched: 262574 seqs., 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
 Maximum DB seq length: 200000000

Post-processing: Maximum Match 0%  
 Listing first 45 summaries

Database : issued\_Patent\_AAs:\*

1: /cgn2\_6/podata/1/1aa/5A\_Comb.pep:\*

2: /cgn2\_6/podata/1/1aa/5B\_Comb.pep:\*

3: /cgn2\_6/podata/1/1aa/6A\_Comb.pep:\*

4: /cgn2\_6/podata/1/1aa/6B\_Comb.pep:\*

5: /cgn2\_6/podata/1/1aa/PCtrus\_Comb.pep:\*

6: /cgn2\_6/podata/1/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	1833.5	68.9	540	4 US-09-134-001C-4705
2	1671	62.7	541	2 US-09-937-362-160
3	1671	62.7	541	2 US-09-937-362-160
4	1671	62.7	541	4 US-09-005-835-160
5	1671	62.7	541	4 US-09-334-442-160
6	1671	62.7	541	4 US-09-205-226-160
7	1663	61.7	523	2 US-08-937-362-114
8	1663	61.7	523	4 US-09-005-835-114
9	1643	61.7	523	4 US-09-334-442-114
10	1643	61.7	523	4 US-09-205-226-114
11	1643	61.7	523	4 US-08-431-722-4
12	1639.5	61.6	540	4 US-08-362-531-4
13	1639.5	61.6	540	4 PCT-US94-03362-4
14	1639.5	61.6	540	2 US-08-437-322-34
15	1639.5	61.6	541	2 US-08-437-322-34
16	1639.5	61.6	541	2 US-08-437-354-19
17	1639.5	61.6	541	4 US-08-432-597-34
18	1639.5	61.6	541	4 US-08-436-548-34
19	1638	61.5	548	2 US-08-437-322-32
21	1638	61.5	548	4 US-08-432-597-32
22	1638	61.5	548	4 US-08-432-597-32
23	1636	61.4	546	3 US-08-470-260-6
24	1636	61.4	546	3 US-08-71-991-6
25	1636	61.4	546	4 US-08-466-662-6
26	1636	61.4	546	4 US-08-256-847C-1
27	1636	61.4	546	4 US-08-256-847C-7

RESULTS

RESULT 1  
 US-09-134-001C-4705  
 Sequence 4705, Application US/09134001C  
 Patent No. 6380370

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al  
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOD

FILE REFERENCE: GTC-007  
 CURRENT APPLICATION NUMBER: US/09/134,001C  
 PRIOR APPLICATION NUMBER: US 60/064,964  
 PRIOR FILING DATE: 1997-11-08  
 PRIOR APPLICATION NUMBER: US 60/055,779  
 PRIOR FILING DATE: 1997-08-14  
 NUMBER OF SEQ ID NOS: 5674  
 SEQ ID NO 4705  
 LENGTH: 540

TYPE: PRT  
 ORGANISM: *Staphylococcus epidermidis*

US-09-134-001C-4705

Query Match 68.9%; Score 1833.5; DB 4; Length 540;  
 Best Local Similarity 66.5%; Pred. No. 3.7e-143;  
 Matches 359; Conservative 67; Mismatches 93; Indels 1; Gaps 1;

QY 1 MAKEIKFSADARAAMYRGVDMLADTPTVKGPKGRNVLKAFCSPLTDNGVIAKE 60  
 Db 2 MAKDIKFSADQAMLRGYDKLANKAVKTYGPKGRNVLKAFCSPLTDNGVIAKE 61  
 Db 2 MAKDIKFSADQAMLRGYDKLANKAVKTYGPKGRNVLKAFCSPLTDNGVIAKE 61  
 QY 61 LDRHDENNMGAKLVSEVASKNTDAGTGTATVLTQVHVGKAVTGANPIGTRGIE 120  
 Db 62 LEDPVENNGAKLVSEVANKNTETAGTGTATVLTQVHVGKAVTGANPIGTRGIE 120  
 QY 121 TATRATAVAKLAIAPVSKERAIQAVANSSRKEVYSEAMERVNGDNOVIEERS 180  
 Db 122 KAVVVAIHLRHSIKVNEKNTAQGAIASAABERGRYISEAMDKVNGDQVITERSG 181  
 QY 181 METELEVEVGKQFDGIGLSQIMTDEKADLENPLITDKKVSIDQDILPILKEV 240  
 Db 182 FNTTELEVEVGKQFDGIGLSQIMTDEKADLENPLITDKKVSIDQDILPILKEV 240  
 QY 241 TNRPLIITADYDGALPTVLNKITFGTENVAKKRGCFDRKAMLEDTAILGGVV 300  
 Db 301 EDLQLELKDADMTAGQAKRQIVKUDSTVIVGSGSEAANJIALIKSLETTSFDR 360  
 Db 302 DDLGJELKDASLDMGTAKVETRHTTVNGDNGDENNIDARVGQIKAOIEEDSFR 361





RESULT 5  
US-09-324-542-160  
; Sequence 160, Application US/09324542

GENERAL INFORMATION:  
APPLICANT: Watson, James D.

APPLICANT: Tan, Paul L. J.

APPLICANT: Prestidge, Ross

TITLE OF INVENTION: Methods and Compounds for the Treatment and

Treatment of Immunologically-Mediated Skin Disorders

FILE REFERENCE: 1100.1.10024

CURRENT APPLICATION NUMBER: US/09/324-542

CURRENT FILING DATE: 1998-12-04

EARLIER APPLICATION NUMBER: 09/095, 855

EARLIER FILING DATE: 1998-06-11

EARLIER APPLICATION NUMBER: 08/997, 362

EARLIER FILING DATE: 1997-12-23

EARLIER APPLICATION NUMBER: 08/877, 970

EARLIER FILING DATE: 1997-06-12

EARLIER APPLICATION NUMBER: 08/705, 347

EARLIER FILING DATE: 1996-08-29

NUMBER OF SEQ ID NOS: 208

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO: 160

LENGTH: 541

TYPE: PRT

ORGANISM: Mycobacterium vaccae

US-09-324-542-160

Query Match 62.7%; Score 1671; DB 4; Length 541;

Best Local Similarity 62.1%; Pred. No. 9.6e-10; Mismatches 118; Indels 4; Gaps 1;

Matches 337; Conservative 84; MisMatches 118; Indels 4; Gaps 1;

Query 1 MAKIKEKSADARRAMVRGYDMLADTVKUTLGPKGRNVLEAFGSPLITNDGVTIKEIE 60

Db 1 MAKTIAYDEEARRGURGLERGINALADAVKUTLGPKGRNVLEKKGAPTTINDGYSIAKEIE 60

Qy 61 LEDHFENNGAKLKVSEVASKTNDGTTATVLAQVATHEEIKNTAANPIGIRIGIE 120

Db 61 LEDPEYKIGELKEVAKTKDVGTTATVLAQVATHEEIKNTAANPIGIRIGIE 120

Qy 121 TATATAVALKAIQOPSKGERIAQAVAVSSERSEKVGIVSEAMERGVNDGVITIEESRG 180

Db 121 KAVEAVTOSLKSAKEVEKTEQISATAASLQDQIGELIAEAKDVKGNEGIVTEVEENT 180

Qy 181 METELEVEMEKGDFQGYSQVMTDKVADLENPLITDKVSNIDOLPILLEVK 240

Db 181 FGLQLELTTEGMFRDGIGSYFVTDERAOEAVLEDPLVSKVTDPLPLEVKIQ 240

Qy 241 TNRPLIITADDVGELPLVINKTRGTTNNVVAVKARGFDRRAMELDTAALUGGTIVT 300

Db 241 AGKPLIITADEVEGALSPLVINKTRGTTNNVVAVKARGFDRRAMELDTAALUGGTIVT 300

Qy 301 EDGLIEKDAMTMALGOAKITVDRDSTVVEGSSSEAANRNLALKSOLETTSDFR 360

Db 301 ERVGLSLTADVSILGQARVWVYKDETTIVEGSDSDRAGRAQIAEIENSDSDR 360

Qy 361 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Db 361 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Qy 420 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Db 420 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Qy 421 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Db 421 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Qy 481 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Db 481 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Qy 541 GGM 543

Db 537 GGM 539

US-09-205-426-160

Query Match 62.7%; Score 1671; DB 4; Length 541;

Best Local Similarity 62.1%; Pred. No. 9.6e-10; Mismatches 118; Indels 4; Gaps 1;

Matches 337; Conservative 84; MisMatches 118; Indels 4; Gaps 1;

Query 1 MAKEKSADARRAMVRGYDMLADTVKUTLGPKGRNVLEAFGSPLITNDGVTIKEIE 60

Db 1 MAKTIAYDEEARRGURGLERGINALADAVKUTLGPKGRNVLEKKGAPTTINDGYSIAKEIE 60

Qy 61 LEDHFENNGAKLKVSEVASKTNDGTTATVLAQVATHEEIKNTAANPIGIRIGIE 120

Db 61 LEDPEYKIGELKEVAKTKDVGTTATVLAQVATHEEIKNTAANPIGIRIGIE 120

Qy 121 TATATAVALKAIQOPSKGERIAQAVAVSSERSEKVGIVSEAMERGVNDGVITIEESRG 180

Db 121 KAVEAVTOSLKSAKEVEKTEQISATAASLQDQIGELIAEAKDVKGNEGIVTEVEENT 180

Qy 181 METELEVEMEKGDFQGYSQVMTDKVADLENPLITDKVSNIDOLPILLEVK 240

Db 181 FGLQLELTTEGMFRDGIGSYFVTDERAOEAVLEDPLVSKVTDPLPLEVKIQ 240

Qy 241 TNRPLIITADDVGELPLVINKTRGTTNNVVAVKARGFDRRAMELDTAALUGGTIVT 300

Db 241 AGKPLIITADEVEGALSPLVINKTRGTTNNVVAVKARGFDRRAMELDTAALUGGTIVT 300

Qy 301 EDGLIEKDAMTMALGOAKITVDRDSTVVEGSSSEAANRNLALKSOLETTSDFR 360

Db 301 ERVGLSLTADVSILGQARVWVYKDETTIVEGSDSDRAGRAQIAEIENSDSDR 360

Qy 361 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Db 361 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Qy 420 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Db 420 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Qy 421 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Db 421 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Qy 481 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Db 481 EKQERLAKLAGGYAVIKVAPTTALKEMKRIEDALNATRAVEEGIVAGGTALIV 420

Qy 541 GGM 543

Db 537 GGM 539

RESULT 6  
US-09-205-426-160  
; Sequence 160, Application US/09205426

RESULT 7  
US-08-997-080-114  
; Sequence 114, Application US/08997080

Patent No. 5968524  
 GENERAL INFORMATION:  
 APPLICANT: WATSON, JAMES D.  
 APPLICANT: TAN, PAUL L.J.  
 TITLE OF INVENTION: METHODS AND COMPOUNDS FOR THE TREATMENT OF IMMUNOLOGICALLY NUMBER OF SEQUENCES: 194  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Law Offices of Ann W. Speckman  
 STREET: 2601 Elliott Avenue, Suite 4185  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA  
 ZIP: 98121

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/997,080  
 FILING DATE:  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Sleath, Janet  
 REGISTRATION NUMBER: 37,007  
 REFERENCE/DOCKET NUMBER: 11000.1.007  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 206-269-0565  
 TELEFAX: 206-269-0563  
 TELEX:  
 INFORMATION FOR SEQ ID NO: 114:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 523 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 ; US-08-997-080-114

Query Match 61.7%; Score 1643; DB 2; Length 523;  
 Best Local Similarity 62.7%; Pred. No. 1.9e-17;  
 Matches 328; Conservative 83; Mismatches 112; Indels 0; Gaps 0;

QY 421 TEKYAALELEGODATGRNITVRLERPVRQIALNAGYESVWIDKLKNSPAGTCFNAATG 480  
 Db 421 APAAUDGGLTSDGAGANVYRSLPQIATNGLEPWRKSNLPGHOLNATC 480  
 QY 481 EWPMIKIGIDPPWVTRASALONASVASLILTEVANKPE 523  
 Db 481 EYEDLKLKAGVADPKVTRASALONASIAALFLTEAVADPE 523

RESULT 8  
 US-08-997-362-114  
 Sequence 114, Application US/08997362  
 GENERAL INFORMATION:  
 APPLICANT: Tan, Paul  
 APPLICANT: Visser, Elizabeth  
 APPLICANT: Skinner, Margot  
 APPLICANT: Scott, Linda  
 APPLICANT: Prestige, Ross  
 TITLE OF INVENTION: COMPOUNDS AND METHODS FOR TREATMENT AND DIAGNOSIS OF MYCOBACTERIAL INFECTIONS NUMBER OF SEQUENCES: 194  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Law Offices of Ann W. Speckman  
 STREET: 2601 Elliott Avenue, Suite 4185  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA  
 ZIP: 98121

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/997,362  
 FILING DATE:  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US/08/997,362  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Sleath, Janet  
 REGISTRATION NUMBER: 37,007  
 REFERENCE/DOCKET NUMBER: 11000.1.002c  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 206-269-0565  
 TELEFAX: 206-269-0563  
 TELEX:  
 INFORMATION FOR SEQ ID NO: 114:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 523 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 ; US-08-997-362-114

Query Match 61.7%; Score 1643; DB 2; Length 523;  
 Best Local Similarity 62.7%; Pred. No. 1.9e-17;  
 Matches 328; Conservative 83; Mismatches 112; Indels 0; Gaps 0;

QY 1 MAKEIKFSADARAMMGRVQMLADTVKVTGPKGRNWLKEAFSPPLITNDCTVAKPE 60  
 Db 1 MAKTIAYDEBARRGLERGLNALADAVKVTGPKGRNWLKEAFSPPLITNDCTVAKPE 60  
 QY 61 LEDHENMNAKUVEASKINDAGCTTATVQIOLVHGLKNTVAGNPIGRRIE 120  
 Db 61 LEDPYEKIGAEVKEVAKKTDVAGCTTATVQIOLVHGLKNTVAGNPIGRRIE 120  
 QY 121 TATATAVVELAKAIQAVGSKAIAQAVVASSRSERKVEYSEAMERYNGQVTEBSEG 180  
 Db 121 KAVEAVTQSLLSKAKEVEMEKGOSATAATASGDTQIGELIAEAMDKVNGEGVINESENT 180  
 QY 181 MEFELVEVGGQFDRGYISQYMTNEKAVADLENFILITDKRVSNIQDILPYLEVLK 240  
 Db 181 FGQQLQELTEGMRDFKGYISGYFVTDAEROEFLYDYLIVSSKVSTKVLPLPKVTO 240  
 QY 241 TNPBLPLITADYDGRALATLVLINKRGEFENVVAKPGCGRKAMEDILATLITGGVIT 300  
 Db 241 AGPFLLIAEDVEGEALSTLVVINKIRGPFSKAVKPGFDRKAMQDMAILINGGQVS 300  
 QY 301 EDIGLEKIKDAMTALGQAKTIVDSTIVGGSSEALANILIKSOLETTSDFR 360  
 Db 301 ERVGLSTEDAVSLSLQGQRKVVKDCTTIVEGSGSDAIGRVAQIRAIENSDSYDR 360  
 QY 361 EKQBLRKLAKLAGVAVIKGARTERALKEMKURIDALNATRAVEGIVAGGGTATV 420  
 Db 361 EKLOERLAKLAGVAVIKGARTERALKEMKURIDALNATRAVEGIVAGGGVALQS 420  
 QY 61 LEDHENMNAKUVEASKINDAGCTTATVQIOLVHGLKNTVAGNPIGRRIE 120  
 Db 61 LEDPYEKIGAEVKEVAKKTDVAGCTTATVQIOLVHGLKNTVAGNPIGRRIE 120



Query Match 61.7%; Score 1643; DB 4; Length 523;  
 Best Local Similarity 62.7%; Pred. No. 1.9e-127; Length 523;  
 Matches 328; Conservative 83; Mismatches 112; Indels 0; Gaps 0;

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Qy 1 MAKEIKFSADARAMYRGVMDLADTVKTYLGPKGRNVLEAFGSPLTNDGVTAKTEIE 60  
 Db 1 MAKTIADDEEARGLERGLNALADAVKYLGPKGRNVLEAFGSPLTNDGVTAKTEIE 60  
 Qy 61 LEDHFENNMGAKLYSEVASKNDIAGDGTTATVLTQATVHEGKNTVAGANPIGRRGIE 120  
 Db 1 MAKTIADDEEARGLERGLNALADAVKYLGPKGRNVLEAFGSPLTNDGVTAKTEIE 60  
 Qy 61 LEDHFENNMGAKLYSEVASKNDIAGDGTTATVLTQATVHEGKNTVAGANPIGRRGIE 120  
 Db 61 LEDPFYKIGAELVKEYAKKDDYDAGCTTATVLAQALVREGLRNVAAGANPLGLRGIE 120  
 Qy 61 LEDPFYKIGAELVKEYAKKDDYDAGCTTATVLAQALVREGLRNVAAGANPLGLRGIE 120  
 Db 121 TATRATVEALKAIQPSGKEIKAQVASSRSEKVERVSEAMERYGNDGVITIERSG 180  
 Qy 121 TATRATVEALKAIQPSGKEIKAQVASSRSEKVERVSEAMERYGNDGVITIERSG 180  
 Db 121 KAVEAVTQSLSKSAKEVETKEQISATAISGDTQIGELIAEAMDKVNEGVTVEESNT 180  
 Qy 181 MEFELLEVNGMOPRGYLSOVMYNTNEKMDNPLNPFILDKVKSNTQDILPYLEVK 240  
 Db 181 MEFELLEVNGMOPRGYLSOVMYNTNEKMDNPLNPFILDKVKSNTQDILPYLEVK 240  
 Qy 181 MEFELLEVNGMOPRGYLSOVMYNTNEKMDNPLNPFILDKVKSNTQDILPYLEVK 240  
 Db 181 FGRQLELTTEGMRDKGIGSFGVFTDAERQAVLEPDYLIVVSKVSTVKDPLPLEVK 240  
 Qy 241 TNRPLLIADDVYDCEALPITVNLKTRGFTNVAWRPGDRRKAMLEDAITGGVIT 300  
 Db 241 TNRPLLIADDVYDCEALPITVNLKTRGFTNVAWRPGDRRKAMLEDAITGGVIT 300  
 Qy 301 EDGLELKRTMTALGOKATVVDSTVYEGGSSEANRALKSOLETTSDFR 360  
 Db 301 EDGLELKRTMTALGOKATVVDSTVYEGGSSEANRALKSOLETTSDFR 360  
 Qy 361 EKQERLAKLLAGGVAVKVGAPTEALKEMKRLIEDALNTRAVEGTIVAGGGTALV 420  
 Db 361 EKQERLAKLLAGGVAVKVGAPTEALKEMKRLIEDALNTRAVEGTIVAGGGTALV 420  
 Qy 421 TEKVAALELEGDDATGQKQKITYDOSTVYEGGSSEANRALKSOLETTSDFR 480  
 Db 421 TEKVAALELEGDDATGQKQKITYDOSTVYEGGSSEANRALKSOLETTSDFR 480  
 Qy 481 EKQERLAKLLAGGVAVKVGAPTEALKEMKRLIEDALNTRAVEGTIVAGGGTALV 523  
 Db 481 EKQERLAKLLAGGVAVKVGAPTEALKEMKRLIEDALNTRAVEGTIVAGGGTALV 523

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RESULT 11

US-09-205-426-114

Sequence 114, Application US/09205426

Patent No. 6406704

GENERAL INFORMATION:

APPLICANT: Watson, James D.

TITLE OF INVENTION: Compounds and Methods for Treatment and Diagnosis of Mycobacterial Infections

FILE, REFERENCE: 11000.1002c4

CURRENT APPLICATION NUMBER: US/09/205,426

CURRENT FILING DATE: 1998-12-04

EARLIER APPLICATION NUMBER: 09/095,855

EARLIER FILING DATE: 1998-06-11

EARLIER APPLICATION NUMBER: 08/997,362

EARLIER FILING DATE: 1997-12-23

EARLIER APPLICATION NUMBER: 08/873,970

EARLIER FILING DATE: 1997-06-12

EARLIER APPLICATION NUMBER: 07/705,347

EARLIER FILING DATE: 1996-06-29

NUMBER OF SEQ ID NOS: 208

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO: 114

LENGTH: 523

TYPE: PRT

ORGANISM: *Mycobacterium vaccae*

Query Match 61.7%; Score 1643; DB 4; Length 523;  
 Best Local Similarity 62.7%; Pred. No. 1.9e-127; Length 523;  
 Matches 328; Conservative 83; Mismatches 112; Indels 0; Gaps 0;

---

Qy 1 MAKEIKFSADARAMYRGVMDLADTVKTYLGPKGRNVLEAFGSPLTNDGVTAKTEIE 60  
 Db 1 MAKTIADDEEARGLERGLNALADAVKYLGPKGRNVLEAFGSPLTNDGVTAKTEIE 60  
 Qy 61 LEDHFENNMGAKLYSEVASKNDIAGDGTTATVLTQATVHEGKNTVAGANPIGRRGIE 120  
 Db 61 LEDHFENNMGAKLYSEVASKNDIAGDGTTATVLTQATVHEGKNTVAGANPIGRRGIE 120  
 Qy 121 TATRATVEALKAIQPSGKEIKAQVASSRSEKVERVSEAMERYGNDGVITIERSG 180  
 Db 121 TATRATVEALKAIQPSGKEIKAQVASSRSEKVERVSEAMERYGNDGVITIERSG 180  
 Qy 121 TATRATVEALKAIQPSGKEIKAQVASSRSEKVERVSEAMERYGNDGVITIERSG 180  
 Db 121 KAVEAVTQSLSKSAKEVETKEQISATAISGDTQIGELIAEAMDKVNEGVTVEESNT 180  
 Qy 181 MEFELLEVNGMOPRGYLSOVMYNTNEKMDNPLNPFILDKVKSNTQDILPYLEVK 240  
 Db 181 MEFELLEVNGMOPRGYLSOVMYNTNEKMDNPLNPFILDKVKSNTQDILPYLEVK 240  
 Qy 181 MEFELLEVNGMOPRGYLSOVMYNTNEKMDNPLNPFILDKVKSNTQDILPYLEVK 240  
 Db 181 FGRQLELTTEGMRDKGIGSFGVFTDAERQAVLEPDYLIVVSKVSTVKDPLPLEVK 240  
 Qy 241 TNRPLLIADDVYDCEALPITVNLKTRGFTNVAWRPGDRRKAMLEDAITGGVIT 300  
 Db 241 TNRPLLIADDVYDCEALPITVNLKTRGFTNVAWRPGDRRKAMLEDAITGGVIT 300  
 Qy 301 EDGLELKRTMTALGOKATVVDSTVYEGGSSEANRALKSOLETTSDFR 360  
 Db 301 EDGLELKRTMTALGOKATVVDSTVYEGGSSEANRALKSOLETTSDFR 360  
 Qy 361 EKQERLAKLLAGGVAVKVGAPTEALKEMKRLIEDALNTRAVEGTIVAGGGTALV 420  
 Db 361 EKQERLAKLLAGGVAVKVGAPTEALKEMKRLIEDALNTRAVEGTIVAGGGTALV 420  
 Qy 421 TEKVAALELEGDDATGQKQKITYDOSTVYEGGSSEANRALKSOLETTSDFR 480  
 Db 421 TEKVAALELEGDDATGQKQKITYDOSTVYEGGSSEANRALKSOLETTSDFR 480  
 Qy 481 EKQERLAKLLAGGVAVKVGAPTEALKEMKRLIEDALNTRAVEGTIVAGGGTALV 523  
 Db 481 EKQERLAKLLAGGVAVKVGAPTEALKEMKRLIEDALNTRAVEGTIVAGGGTALV 523

---

RESULT 12

US-09-461-722-4

Sequence 4, Application US/08461722

Patent No. 6335183

GENERAL INFORMATION:

APPLICANT: Young, Richard A. and Young, Douglas

TITLE OF INVENTION: Stress Proteins and Uses Therefor

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

APPLICANT: Young, Richard A. and Young, Douglas

ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.

STREET: 2 Miltin Drive

CITY: Lexington

STATE: MA

ZIP: 02173

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/461,722

FILING DATE: 05-JUNE-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/336,251

FILING DATE: 03-NOV-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US94/06362

FILING DATE: 06-JUN-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/073,381

FILING DATE: 04-JUN-1993

CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/804,632  
 FILING DATE: 09-DEC-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/366,581  
 FILING DATE: 15-JUN-1989  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/207,298  
 FILING DATE: 15-JUN-1988  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US89/02619  
 FILING DATE: 15-JUN-1989  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Granahan, Patricia  
 NAME: Granahan, Patricia  
 REFERENCE/DOCKET NUMBER: 32,227  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 861-6240  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 540 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-461-722-4

Query Match  
 Best Local Similarity: 61.6%; Score 1639; 5: DB 4; Length 540;  
 Matches 331; Conservative: 87; Mismatches 120; Indels 5; Gaps 2;

Y 1 MAKERKFSDARAKRAMYRQVMDLAVTAKVTLGPKGRNVLKEAFGSPLITNDGYIKAIE 60  
 Y 1 MAKTIYDEBARRGLERGLNLADAVKTLGPKGRNVLKEKNGAPITNDGSIKEIE 60  
 Y 61 LEDHFNGMAGKLUYSEASKVNDKINGDTTAVLQIQTAVHEGIKNNTAGANPIGIRGIE 120  
 Y 61 LEDPFKIGAKELVYKEVAKKDDVGDGTATTVAQALKRKEGLRNAAGANPIGLRIGIE 120  
 Y 121 TATATAVEALKATAQPVSKRKAQVAVSSRSEKVGYESAMERVGNDVITIERSG 180  
 Y 121 KAVKEVTTELKQKAEVETKOEIATAISAGDOSIGDULAEAMDKVKGNEGIVTVESS 180  
 Y 181 METELEVGMQDFRGYLSQYMDVNEKWDLENPPFLITDKKSYNIDOLIPPLEVIL 240  
 Y 181 FGLQELTGMGRDKGYSFVTDIPERQEALEVPLPYLLVSKVSTVDRDPLPERKIG 240  
 Y 241 TRPLIITADYDVEALPITVNLNIRFTVYAKAPDFGRRKMLDENIATLTGVIT 300  
 Y 241 AGKPLIADYEGEALSTVYKVKPQFGGRKMLDENIATLTGVIT 300  
 Y 301 EDLGELKDATWALQAKMTIDVSTVIEGGSSATIANRALKSQLETTSDDFR 360  
 Y 301 BEVGTLTENADLSLGKARKVYVTKDFTTVEGAGDDAIGRVAQIQRQEIEINSDDYR 360  
 Y 361 EKQQLRKLAKLAGVAVYIKVQAPETALKEMKLRDEALNATRAVEGIVAGGGTALIV 420  
 Y 361 EKQQLRKLAKLAGVAVYIKVQAPETALKEMKLRDEALNATRAVEGIVAGGGTALIV 420  
 Y 421 IEKVVALELEGDDAGCRNTRVLAEEVROLAVALAYGEGSYVWIDKUSPAGTGENHATC 480  
 Y 421 APTDEKLKLEGDEGTRGNTVVALELRQJAFNGLQEPGVVAEVRNLPAQHGLNQTRG 480  
 Y 481 ENMDIKTGTIPVKVTRALQASASVSLTTEAVVANPKPERPATPAPAMPAQMDGGM 540  
 Y 481 VYEDLQLAGVADPKVTRALQASASVSLTTEAVVADKPE - KERASVPGG - GDM 535  
 Y 541 GGM 543  
 Y 536 GGM 538

Query Match  
 Best Local Similarity: 61.6%; Score 1639; 5: DB 4; Length 540;  
 Matches 331; Conservative: 87; Mismatches 120; Indels 5; Gaps 2;

QY 1 MAKERKFSDARAKRAMYRQVMDLAVTAKVTLGPKGRNVLKEAFGSPLITNDGYIKAIE 60  
 QY 1 MAKTIYDEBARRGLERGLNLADAVKTLGPKGRNVLKEKNGAPITNDGSIKEIE 60  
 QY 61 LEDHFNGMAGKLUYSEASKVNDKINGDTTAVLQIQTAVHEGIKNNTAGANPIGIRGIE 120  
 QY 61 LEDPFKIGAKELVYKEVAKKDDVGDGTATTVAQALKRKEGLRNAAGANPIGLRIGIE 120  
 QY 121 TATATAVEALKATAQPVSKRKAQVAVSSRSEKVGYESAMERVGNDVITIERSG 180  
 QY 121 KAVKEVTTELKQKAEVETKOEIATAISAGDOSIGDULAEAMDKVKGNEGIVTVESS 180  
 QY 181 METELEVGMQDFRGYLSQYMDVNEKWDLENPPFLITDKKSYNIDOLIPPLEVIL 240



APPLICATION NUMBER: US 08/447,177  
 FILING DATE: 02-MAY-1995  
 CLASSIFICATION: 435  
 CLASSIFICATION: 435  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/432,597  
 FILING DATE: 02-MAY-1995  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meyers, Kenneth J.  
 REGISTRATION NUMBER: 25,146  
 REFERENCE/DOCKET NUMBER: 03495.0137-02000  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 408-4400  
 TELEFAX: (202) 408-4400  
 INFORMATION FOR SEQ ID NO: 34:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 541 amino acids  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-467-822-34  
 Best Local Similarity 61.6%; Score 1639; DB 2; Length 541;  
 Matches 332; Conservative 50.9%; Pred. No. 3; 8e-127; Mismatches 119; Indels 7; Gaps 3;  
 Query 1 MAKEIKNSADARMAMVGVDMALDVTYKUTGPGKGRNVYLEKAFGSSPLTNDGVTIAKIE 60  
 1 MAAKTTAIVDEARGLERGLASLADAVKUTGPGKGRNVYLEKKGAPTINQDVSIAKIE 60  
 61 LEHDFENNGAKLSEVASKNDIGDSTTRAVTIAVQHGLANVTTGAMPPIGRTRRE 120  
 61 LEDPVKEIGAKLYKEVAKKTDVGDGTTRAVTIAQALVKEGLRNVAAGANPLGKRGIE 120  
 121 TATATAVEAKAYAOPVSGKEA1QVANVANNSERKSGEYISEAMEVNGDVITTEESRG 180  
 121 KAVDVKYETLKKAKVEETQARATAKSAGDOSICDIAEMADKQVNGEVITVEEET 180  
 181 METELEVVECMODFDRGYSQMVMDNEKMDADLENPEFLITDKVUSNIQDITLEEVLK 240  
 181 FGLOLELTEREMDRDKGTSQSYFTDABRQEAVLBPPTILLVSSKVSTKVDLPLLEKVIQ 240  
 241 TNPLPLTADYDVEALPTVNLKIRGTFNVVAKARGFGDRRAMEMDIAILUGGTIT 300  
 241 AGKSLLIJIADVGEALSTLVVVKIRGTPKSVAVKAGFCGDRRMMQDMAILTGQVIS 300  
 301 EDGELKLKDAMTALGOAKITWDKSTVUVEGSSSEATANRALTLSQLETTSDDR 360  
 301 EGVGLTLENDLSSKARVVKMIDDETTVEAGDIDATGRVAFTEENSIDSVDR 360  
 361 EKQERLAKIAGSVAVVKUGAPTEALKEMKLRDMLNTRAVVEGSIYAGGTTLV 420  
 361 EKQERLAKIAGSVAVVKUGAPTEALKEMKLRDMLNTRAVVEGSIYAGGTTLV 420  
 421 EKVKVALLERLEGDDATGDRNTRVLELVEVORIAJNAGVEGSMVTDKLNSPAGTGFNATG 480  
 421 EKVKVALLERLEGDDATGDRNTRVLELVEVORIAJNAGVEGSMVTDKLNSPAGTGFNATG 480  
 481 EWDMDKTKGTDVKYKUTSALQNAVASLILTEAVVANKPEPATPAPAMPAGMDPGMM 540  
 481 EWDMDKTKGTDVKYKUTSALQNAVASLILTEAVVANKPEPATPAPAMPAGMDPGMM 540  
 541 GNGG 545

Search completed: April 8, 2003, 14:24:52  
Job time : 19 secs